

State of California
Business, Transportation and Housing Agency
Department of Transportation

HIGHWAY FINANCIAL MATTERS
Seismic G-11 Allocations
Resolution: Information Item

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CTC Meeting: May 9, 2002

Reference No.: 2.5f.(3)

Original Signed By
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Chief Financial Officer
May 1, 2002

ALLOCATIONS FOR SEISMIC RETROFIT PROJECTS
SEISMIC RETROFIT BOND ACT OF 1996 (PROPOSITION 192)

INFORMATION

BACKGROUND

On March 30, 1994, the California Transportation Commission delegated to the Department authority to allocate funds by Resolution G-11, as revised by Resolution G-94, for seismic retrofit projects. This authority allows the Department to begin work without waiting for the next CTC meeting to receive an allocation.

This project is part of the legislatively mandated Bridge Seismic Retrofit Program (SB131), approved by the Governor's Office on March 15, 1994.

SUMMARY AND CONCLUSIONS

Pursuant to the authority granted by Resolution G-11, Proposition 192 Bond Funds of \$945,144 were allocated for two (2) seismic retrofit Phase II projects.

Project #1, in San Francisco. – Supplemental G-11 Allocation was required for paving and parking lot repairs.

Project #2, in Marin. – Supplemental G-11 Allocation was required to fund additional costs for electrical revisions as well as an overrun of other expenses.

Project # 1: HISTORY / DESCRIPTION

Under the Phase 2 Seismic retrofit program, this project provides for the seismic retrofit of the San Francisco Bayshore Viaduct (Bridge No. 34-0088) from 16th Street to Bryant Street in the City and County of San Francisco. The retrofit work includes the placement of additional structural steel and column casings, the enlargement of 91 existing reinforced concrete column pedestals and footings, and the placement of Cast-in-Steel Shell (CISS) or Cast-in-Drilled Hole (CIDH) pilings at various locations.

The project was initially allocated \$29,100,000 on October 26, 1998. The contract was awarded for \$25,740,000 on February 03, 1999. The contract included \$2,497,856 for contingencies and supplemental work. The \$2,497,856 was expended on various items such as vibration monitoring, providing shuttle service for City and County employees, traffic maintenance, additional paving and parking lot repairs, unforeseen man made buried objects and unidentified utilities, drainage and miscellaneous concrete work, lead paint and paint removal, pile tip elevation revisions and modification of steel structure.

The \$875,144 supplement is needed to complete mainly two supplemental work items; the additional paving and parking lot repairs and pile tip elevation revisions. The parking lots, utilized for construction purposes and vacated according to the contract plans, were supposed to be overlaid by 0.1-foot layer of asphalt, but the lots were found to be in unsuitable conditions for overlaying without conducting repairs to their structural sections. Large cracks in existing paving and some areas were not paved. In addition it will be required to find alternate arrangements to accommodate the parking of the City and County vehicles that normally use the lot. The other item using part of the \$875,144 is the need to revise pile tip elevations since design tip calculations could not accurately factor the actual underground conditions. The contract called for conducting pile testing in order to determine final tip elevations. This resulted in the need for additional piling length. Currently 98 percent of the work is completed.

Project # 2 HISTORY / DESCRIPTION

This project is for the construction of a Park and Ride Lot in Marin County in San Rafael on Route 101 between Hetherton and Irwin Streets at Mission Avenue. The project will provide a total of thirty-six (36) additional parking stalls for commuters within walking distance of the main bus station for Marin County. This project is being built as mitigation for the loss of parking that resulted from the seismic retrofit construction of bridge #27-0035 (San Rafael Viaduct Structure).

Initial allocation of \$334,000 for this project was made February 20, 2001. The contract was awarded on June 22, 2001 for \$283,000. The project requested a supplemental allocation of \$40,000 on October 25, 2001 to cover contract change orders. This supplemental allocation of \$70,000 is requested to mostly cover the placement of new electrical conduit after discovering during construction that existing conduit was unusable. Sixty-one percent of this project work has been completed.

Attachment

2.5 Highway Financial Matters

Project # Amount County Dist-Co-Rte Postmile	Location Project Description Allocation History	EA Program	Budget Year Item # Program Codes	State Federal Total Amount
2.5f(3) Informational Report - Seismic Retrofit G-11 Allocations (Phase 2)				
1 \$875,144 San Francisco 04-SF-80 003.9	Existing San Francisco Bay Shore Viaduct structure (Bridge #34-088) from 16 th Street to Bryant Street in the City and County of San Francisco to be seismically retrofitted. This request is to fund additional costs for paving and parking lot repairs and revising of pile tip elevations. Initial (G-11): 10/26/98: \$29,100,000 Award (G-11): 02/03/99 \$25,740,000 Revised Allocation (G-11): 02/26/02 \$26,615,144	133471 Seismic Phase 2	1998-99 801-0653 301-0042 301-0890 20.20.202.381 202/381	\$875,144 \$875,144
2 \$70,000 Marin 04-Mrn-101 11.2	In San Rafael on Route 101 between Hetherton and Irwin Streets at Mission Avenue. The originally scope of this project was to construct a Park and Ride in Lot downtown San Rafael adding 36 additional parking stalls. The contract was awarded at \$283,600. Contract Change Orders (CCOs) related to various construction items such as drainage, concrete removal, irrigation and slope protection necessitated a supplement of \$40,000. This supplement is to pay for unforeseen work changes, mainly for placing new electrical conduits; and additional CCOs related to fencing, concrete removal, etc. Initial (G-11): 02/20/01: \$334,000 Award (G-11): 06/22/01 \$283,600 Supplemental Allocation (G-11): 10/25/01 +40,000 Revised Allocation (G-11): 03/19/02 \$323,600 +70,000 \$393,600	255301 Seismic Phase 2	2000-01 801-0653 301-0042 301-0890 20.20.202.381 202/381	\$70,000 \$70,000